

### **Central Line Insertion Practices (CLIP)**

- **Data source:** CDC’s National Healthcare Safety Network (NHSN), Device-Associated Module
- **Definition:** [http://www.cdc.gov/nhsn/PDFs/pscManual/5psc\\_CLIPcurrent.pdf](http://www.cdc.gov/nhsn/PDFs/pscManual/5psc_CLIPcurrent.pdf)
- **5-Year (2013) National Prevention Target:** 100% adherence with central line bundle
- **Metric:** adherence percentage
- **Baseline period:** 2009
- **Baseline data:** CLIP data reported to NHSN during 2009
  - 345 facilities/hospitals reporting; 743 locations reporting; 70% intensive care unit (ICU)
  - 16 states reporting in 2009, with 95% of data submitted from California
- **Baseline measurement:** 92% adherence

Overall CLIP Adherence and CLIP Adherence to Individual Components: Baseline Period (2009)

<b>CLIP Adherence Overall</b>	<b>92.0%</b>
<b>Hand Hygiene</b>	98.3%
<b>Skin Prep</b>	98.5%
<b>Prep Dry</b>	98.1%
<b>Maximum Barrier Precautions</b>	95.8%

Facility Reporting: Baseline Period (2009)

<b>Location Types Reporting</b>	<b>No. of Locations (%)</b>
Intensive Care Unit (ICU)	523 (70.4)
Non-ICU Inpatient Unit	127 (17.1)
Operating Room (OR)	38 (5.1)
Emergency Room (ER)	23 (3.1)
Outpatient Locations	21 (2.8)
Long-Term Acute Care (LTAC)	11 (1.5)

Proportion of Insertions Performed by Inserters (Self-Assessment) vs. Third-Party Observers: Baseline Period (2009)

<b>Recorder Type</b>	<b>No. of Insertions (%)</b>
Insertion (Self-Assessment)	43,119 (57.2)
Observer (Third-Party)	32,325 (42.9)

### **Metric Definitions**

Adherence to the CLIP bundle within NHSN requires that all 4 of the following are true:

- Hand hygiene- inserter performed hand cleansing with either soap and water or an alcohol-based hand rub product prior to central line insertion
- Appropriate skin preparation- dependent on the patient’s age the following agent(s) was used to disinfect the insertion site:
  - For patients  $\geq$  2 months of age: Chlorhexidine gluconate (CHG)
  - For patients < 2 months of age: 1 or more of the following:
    - Povidone iodine
    - Alcohol
    - CHG
    - Other antiseptic documented by the recorder
- Skin preparation agent was allowed to dry before central line insertion
- Maximal sterile barriers- all 5 of the following were used during the insertion
  - Sterile gloves (worn by the inserter)
  - Sterile gown (worn by the inserter)
  - Cap (worn by inserter)
  - Mask (worn by inserter)
  - Large sterile drape (placed over patient)